

Figure 1. Programming logic scheme for SIPS-VSM Searching

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graph TD; A[Enter plain-language query into web-based user interface] --> B[Intelligent search engine searches databases<br/>Group and filter information for relevance to query; Value IP; Model relevant results]; B <--> C[Access/search valuation and patent database for patents relevant to query]; B <--> D[Access/search non-patent information database for publications and possible solutions to known technology needs relevant to query]; B --> E[Display relevant information using hyperbolic trees, landscape maps, lists, etc. per user's customized specifications. Allow for audio/visual/print capabilities.]; E --> F{Refine search?}; F -- Yes --> B; F -- No --> G{New search?}; G -- Yes --> A; G -- No --> H[End];
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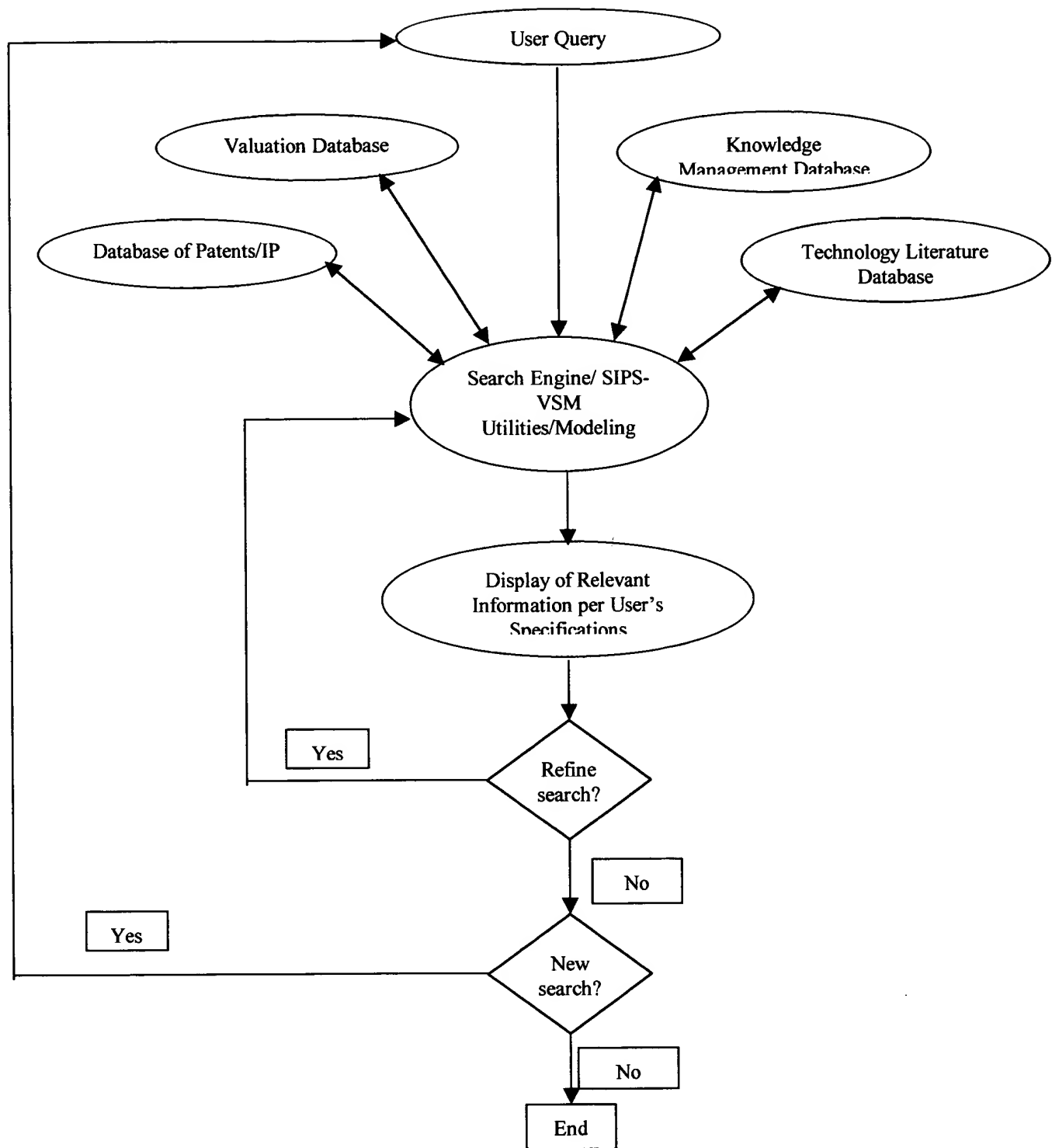


Figure 3. Database search using SIPS-VSM

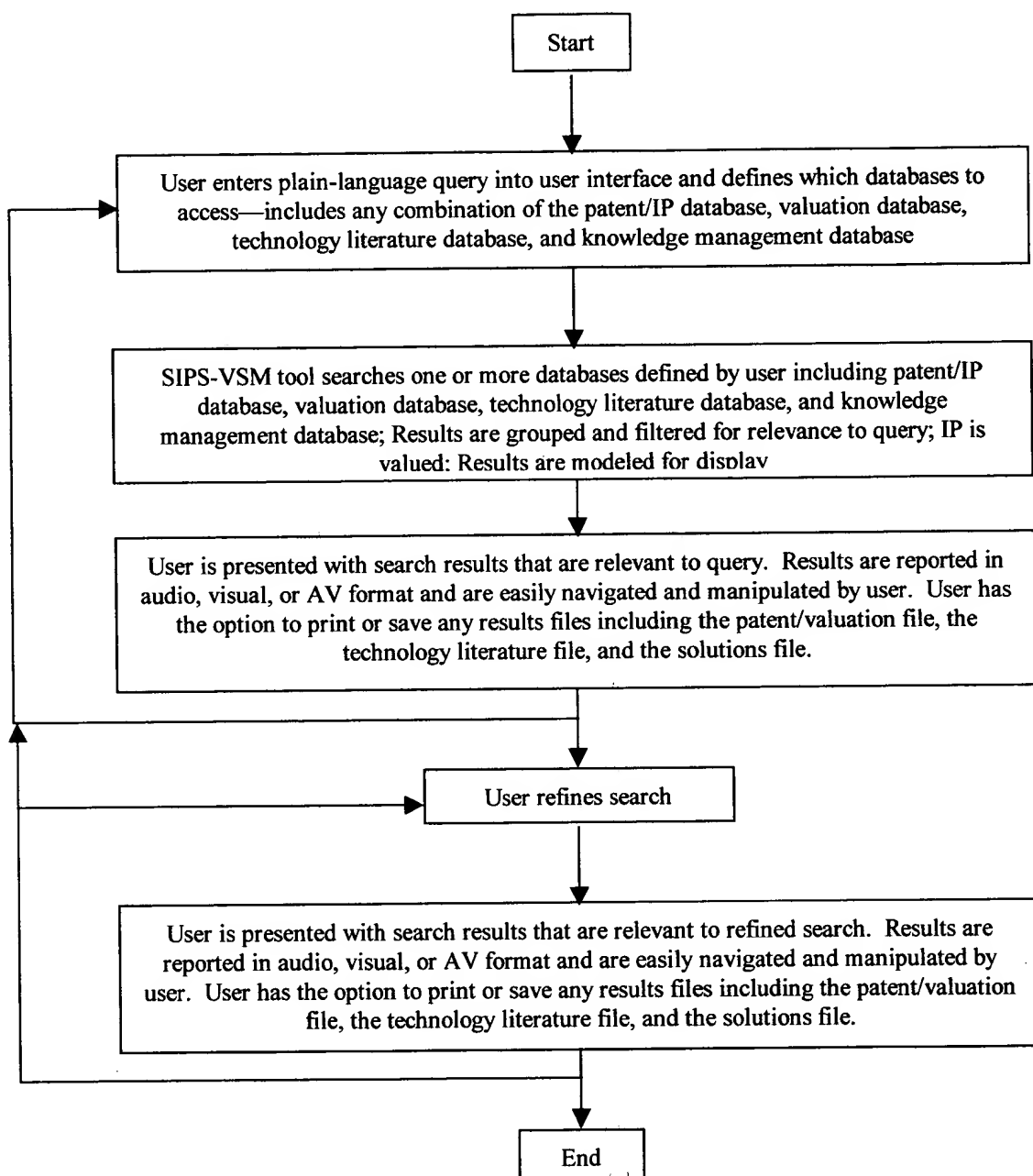


Figure 4. User-defined Search

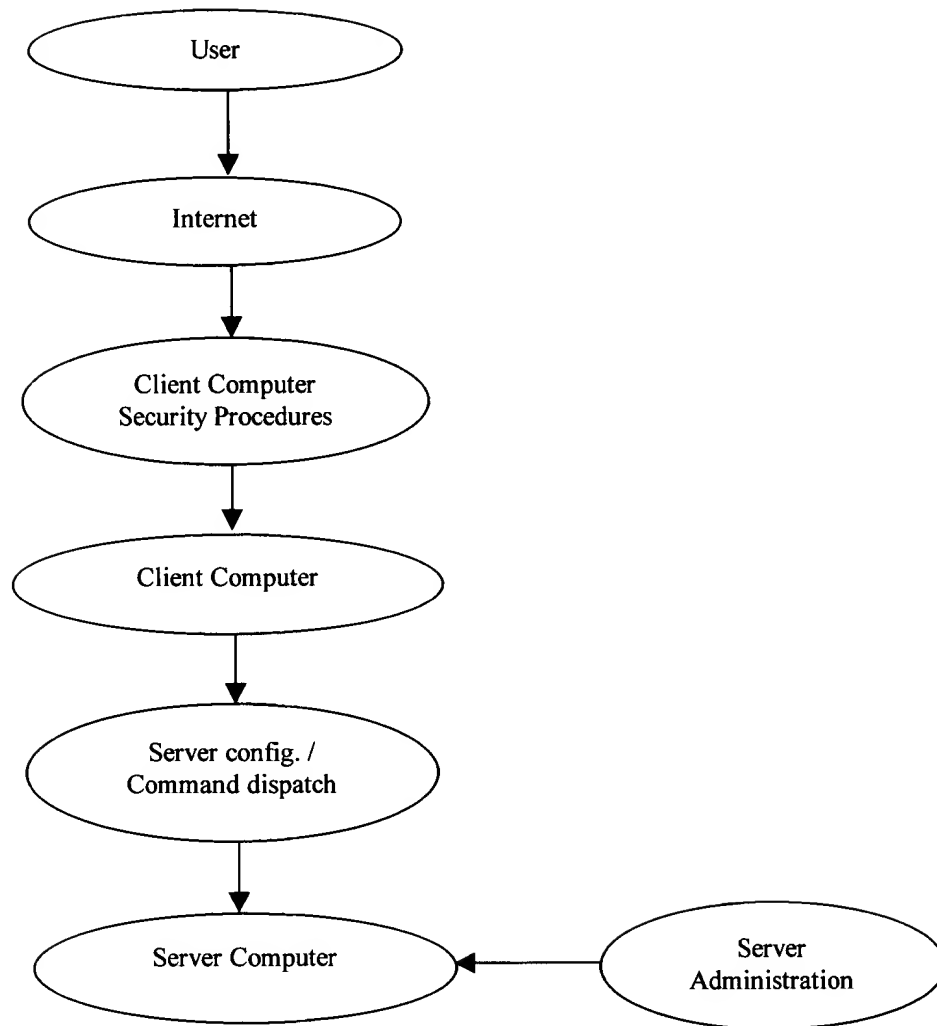


Figure 5. Computer -Based Hierarchy for SIPS-VSM